

WHAT IS CLAIMED IS:

1.           A disk array apparatus comprising:  
              a plurality of disk drives for storing data;  
              a plurality of logic boards for controlling  
the plurality of disk drives;  
              a fan for generating a air flow to cool an  
interior of the apparatus;  
              power supply equipment for supplying electric  
power to the disk drives, the logic boards, and the  
fan,  
              the plurality of disk drives, the plurality  
of logic boards and the fan being mounted as component  
parts in a disk array casing, and the disk array  
apparatus being configured such that component parts  
can be added on in future and dummy parts are  
temporarily mounted in spaces for additional  
installation,  
              wherein a storage section for storing the  
dummy parts, which are dismounted when component parts  
are added on, is provided in such a place inside the  
disk array casing as to circumvent passages of cooling  
air flow and areas through which the component parts  
are mounted or dismounted.
2.           The disk array apparatus according to claim  
1, wherein the storage section is provided at a  
shielding cover plate covering a logic section which  
accommodates the logic boards.
3.           The disk array apparatus according to claim

1, wherein the storage section is provided on a rear side of a door which opens and closes the disk array casing.

4. The disk array apparatus according to claim 1, wherein the storage section is provided along a side face of the disk array casing.

5. The disk array apparatus according to claim 1, wherein the dummy parts are fixed to the storage section with screws.

6. The disk array apparatus according to claim 2, wherein the dummy parts are fixed to the storage section with screws.

7. The disk array apparatus according to claim 3, wherein the dummy parts are fixed to the storage section with screws.

8. The disk array apparatus according to claim 4, wherein the dummy parts are fixed to the storage section with screws.

9. The disk array apparatus according to claim 5, wherein the dummy parts are so structured as to have the screws mounted to both ends thereof under a condition that the screws are prevented from coming off.

10. The disk array apparatus according to claim 6, wherein the dummy parts are so structured as to have the screws mounted to both ends thereof under a condition that the screws are prevented from coming off.

11. The disk array apparatus according to claim 7, wherein the dummy parts are so structured as to have the screws mounted to both ends thereof under a condition that the screws are prevented from coming off.

12. The disk array apparatus according to claim 8, wherein the dummy parts are so structured as to have the screws mounted to both ends thereof under a condition that the screws are prevented from coming off.

13. The disk array apparatus according to claim 5, wherein the storage section is so structured as to have screw holes, into which the screws engage, arranged at varied intervals so that a plurality of sizes of dummy parts can be fixed.

14. The disk array apparatus according to claim 1, wherein the dummy parts are formed with ribs by bending a portion thereof.

15. The disk array apparatus according to claim 2, wherein strength of the cover plate is improved by fixing the dummy parts to the storage section.

16. The disk array apparatus according to claim 2, wherein a shielding property of the cover plate is improved by fixing the dummy parts to the storage section.

17. A disk array apparatus comprising:  
a plurality of disk drives for storing data;  
a plurality of logic boards for controlling

the plurality of disk drives;

a fan for generating a air flow to cool an interior of the apparatus;

power supply equipment for supplying electric power to the disk drives, the logic boards, and the fan,

the plurality of disk drives, the plurality of logic boards and the fan being mounted as component parts in a disk array casing, and the disk array apparatus being configured such that component parts can be added on in future and dummy parts are temporarily mounted in spaces for additional installation,

wherein:

a storage section for storing the dummy parts, which are dismantled when component parts are added on, is provided in such a place inside the disk array casing as to circumvent passages of cooling air flow and areas through which the component parts are mounted or dismantled,

the dummy parts are fixed to the storage section with screws,

the dummy parts are so structured as to have the screws mounted to both ends thereof under a condition that the screws are prevented from coming off, and

the storage section is so structured as to have screw holes, into which the screws engage,

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arranged at varied intervals so that a plurality of sizes of dummy parts can be fixed.